

MUS. COMP. 20
LIBRARY
APR 5 1965
HARVARD
UNIVERSITY

TRANSACTIONS
OF THE
SAN DIEGO SOCIETY OF NATURAL HISTORY
VOLUME 14, No. 1, pp. 1-8

HOLOTYPE SPECIMENS OF REPTILES
IN THE COLLECTION OF THE
SAN DIEGO SOCIETY OF NATURAL HISTORY

BY
ALLAN J. SLOAN
*Assistant Curator of Herpetology
San Diego Natural History Museum*

SAN DIEGO, CALIFORNIA
PRINTED FOR THE SOCIETY
MARCH 31, 1965

MUS. COMP. I
LIBRARY
APR 5 196
HARVARD
UNIVERSITY

HOLOTYPE SPECIMENS OF REPTILES
IN THE COLLECTION OF THE
SAN DIEGO SOCIETY OF NATURAL HISTORY

BY
ALLAN J. SLOAN

The herpetological collection of this institution was established in 1920, with Laurence M. Klauber serving as the first curator. Dr. Klauber has supervised this collection as well as accumulating an impressive personal collection. This personal collection of about 34,000 specimens recently has been donated to the Society and is now deposited at the San Diego Natural History Museum. The combined collection now consists of some 48,000 specimens of reptiles and amphibians including the 46 reptile holotypes listed below. There are no holotypes of amphibians.

Material from western North America is best represented with particular emphasis on southern California, Arizona, Baja California, and islands in the Gulf of California. Snakes form the bulk of the collection (nearly $\frac{1}{2}$ of the total number) including about 7,800 rattlesnakes of all but a few of the currently recognized forms.

Type specimens other than holotypes have never been segregated from the regular collection, and in most cases have not been so designated in the catalog. No attempt has been made to determine the status or the whereabouts of such specimens; the reader may refer to the publications cited below for this information.

The families in the following list are arranged according to Schmidt (1953, A check list of North American amphibians and reptiles, 6th ed., Univ. Chicago Press, viii + 208 pp.); the genera are in alphabetical order under their respective families. The information contained in the citations of the original descriptions is arranged in the following manner: name, author, year of publication, where published, and the actual date of publication. The departmental catalog number (SDSNH is the preferred abbreviation) of the holotype is followed by the type locality, the collector(s), and the date of collection or preservation. Corrections and additional comments such as coordinates of the type locality, are contained in brackets []. The currently used name, if different from that originally given, follows the literature citation.

All holotypes have been kept in a dark, air-conditioned room with the alcohol level carefully maintained, and are in good condition.

Family EUBLEPHARIDAE

Coleonyx variegatus abbotti Klauber, 1945, Trans. San Diego Soc. Nat. Hist. 10(11):154.
March 9.

HOLOTYPE: 34790, Proctor Valley, San Diego County, California, William Moore, February 28, 1942.

Coleonyx variegatus bogerti Klauber, 1945, Trans. San Diego Soc. Nat. Hist. 10(11):176.
March 9.

HOLOTYPE: 32486, Xavier, about 10 miles south of Tucson, Pima County, Arizona, Lee W. Arnold, July 17, 1939.

Coleonyx variegatus utahensis Klauber, 1945, Trans. San Diego Soc. Nat. Hist. 10(11):171.
March 9.

HOLOTYPE: 35792, Watercress Spring, about 1 mile northwest of Saint George, Washington County, Utah, Dr. Ross Hardy, April 16, 1941.

Family GEKKONIDAE

Phyllodactylus xanti nocticolus Dixon, 1964, New Mexico State Univ. Research Center Sci. Bull. 64-1:55, fig. 13. March.

HOLOTYPE: 34824, Agua Caliente Hot Springs, San Diego County, California, Laurence M. Klauber [Charles Shaw and Paul Breeze in catalog], [preserved March 8, 1942].

Family IGUANIDAE

Sauromalus australis Shaw, 1945, Trans. San Diego Soc. Nat. Hist. 10(15):286. August 31.

HOLOTYPE: 30170, San Francisquito Bay, [on the east coast of] Baja California, Mexico [near 28°26'N, 112°54'W], Robert S. Hoard, July 30, 1938.

Sauromalus klauberi Shaw, 1941, Trans. San Diego Soc. Nat. Hist. 9(28):285. April 30.

HOLOTYPE: 6859, Santa Catalina Island, Gulf of California, [Baja California] Mexico [near 25°38'N, 110°47'W], J. R. Pemberton, December 14, 1931.

Sauromalus obesus tumidus Shaw, 1945, Trans. San Diego Soc. Nat. Hist. 10(15):292. August 31.

HOLOTYPE: 27323, Telegraph Pass, Gila Mountains, Yuma County, Arizona, L. M. Klauber, June 15, 1937.

Uta stansburiana klauberi Lowe and Norris, 1955, Herpetologica 11(2):91. July 15.

HOLOTYPE: 6642, San Esteban Island, Gulf of California, Sonora, Mexico [near 28°42'N, 112°35'W], J. R. Pemberton, January 11, 1932.

Family ANNIELLIDAE

Anniella geronimensis Shaw, 1940, Trans. San Diego Soc. Nat. Hist. 9(24):225, fig. 1. July 31.

HOLOTYPE: 7543, San Gerónimo Island, [off the west coast of] Lower [Baja] California, Mexico [near 29°47'N, 115°48'W], Margaret Bancroft, March 28, 1932.

Family XANTUSIIDAE

Xantusia arizonae Klauber, 1931, Trans. San Diego Soc. Nat. Hist. 7(1):3, pl. 1, figs. 1-2. October 6.

HOLOTYPE: 5433, one mile south of Yarnell, Yavapai County, Arizona, elevation 4940 feet, P. M. and L. M. Klauber, Aug. 21, 1931.

Family LEPTOTYPHLOPIDAE

Leptotyphlops humilis cabuilae Klauber, 1931, Trans. San Diego Soc. Nat. Hist. 6(23):339. July 8.

HOLOTYPE: 2637, Yaqui Well, San Diego County, California, County Road Camp, [preserved] May 15, 1930.

Family BOIDAE

Charina bottae umbratica Klauber, 1943, Trans. San Diego Soc. Nat. Hist. 10(7):83. December 30.

HOLOTYPE: 12101, Fern Valley, elevation 5800 ft., near Idyllwild, Riverside County, California, Clyde Searl, July 1, 1929.

Lichanura roseofusca gracia Klauber, 1931, Trans. San Diego Soc. Nat. Hist. 6(20):307, pl. 21, fig. 1. April 30.

= *Lichanura trivirgata gracia* Klauber

HOLOTYPE: 2995, Randsburg, Kern County, California, Miss Lucile Rector, June, 1930.

Family COLUBRIDAE

Arizona elegans candida Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 10(17):364, pl. 8, fig. 2. March 29.

HOLOTYPE: 34191, Kramer Hills (6 miles south of Kramer Junction on US 395), San Bernardino County, California, James Deuel, [preserved] June 16, 1941.

Arizona elegans eburnata Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 10(17):350, pl. 8, fig. 1. March 29.

HOLOTYPE: 33094, Bensons Dry Lake, San Diego County, California, James Deuel, preserved June 5, 1940.

Arizona elegans noctivaga Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 10(17):343. March 29.

HOLOTYPE: 34188, 8 miles southwest of Owlshead (Owlshead is on U. S. 80, 45 miles southeast of Florence), Pinal County, Arizona, Charles E. Shaw and L. M. Klauber, May 31, 1941.

Arizona elegans pacata Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 10(17):379. March 29.

HOLOTYPE: 17652, Santo Domingo, Baja California, Mexico (lat. 25°30'N.), Frank F. Gander, Nov. 16, 1941.

Arizona elegans philipi Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 10(17):333. March 29.

HOLOTYPE: 34456, 10 mi. east of Winslow, Navajo County, Arizona, Charles E. Shaw and Carl Engler, July 29, 1941.

Chilomeniscus stramineus esterensis Hoard, 1939, Pomona College Jour. Ent. Zool. 31(4):45, fig. December.

HOLOTYPE: 30368, Estero Salina[s], [west coast of] Lower [Baja] California [Mexico, near 24°36'N, 111°49'W], R. S. Hoard, July 10, 1938.

Chionactis occipitalis klauberi (Stickel), see *Sonora occipitalis klauberi* Stickel.

Chionactis palarostris organica Klauber, 1951, Trans. San Diego Soc. Nat. Hist. 11(9):178, pl. 10, fig. 2. April 30.

HOLOTYPE: 40673, on the Sonoyta-Ajo road, 9 miles north of the U.S.-Mexican Border, in the Organ Pipe Cactus National Monument, Pima County, Arizona, William R. Supernough and Grover E. Steele, May 22, 1950.

Chionactis palarostris palarostris (Klauber), see *Sonora palarostris* Klauber.

Hypsiglena o.[chrorhynchus] klauberi W. Tanner, "1944" [1946], Great Basin Nat. 5(3 & 4):71. "December 29" [September].

= *Hypsiglena torquata klauberi* W. Tanner.

HOLOTYPE: 20228, South Cornoado [= Coronado] Island, [off the west coast of] Lower [Baja] California, [Mexico, near 32°24'N, 117°15'W] Philip M. Klauber, June 11, 1933.

Masticophis bilineatus slevini Lowe and Norris, 1955, Herpetologica, 11(2):93. July 15.

HOLOTYPE: 3826, San Esteban Island, Gulf of California, Sonora, Mexico [near 28°42'N, 112°35'W], Mrs. Griffing Bancroft, April 18, 1930.

Phyllorhynchus browni lucidus Klauber, 1940, Trans. San Diego Soc. Nat. Hist. 9(20):202, pl. 8, fig. 2. April 30.

HOLOTYPE: 28819, Enchanto [= Encanto?] Valley, 7 mi. w. of Cave Creek [= Cave-creek], Maricopa County, Arizona, received from V. Housholder May 21, 1938.

Phyllorhynchus decurtatus nubilus Klauber, 1940, Trans. San Diego Soc. Nat. Hist. 9(20):197, pl. 8, fig. 1. April 30.

HOLOTYPE: 32493, Xavier (Weisner's Ranch), Pima County, Arizona, Lee Arnold, July 16, 1939.

Phyllorhynchus decurtatus perkinsi Klauber, 1935, Bull. Zool. Soc. San Diego No. 12:11, figs. 2, 4. September 4.

HOLOTYPE: 23757, [Bensons] Dry Lake, San Diego County, California, L.M.K. [= Laurence M. Klauber], May 4, 1935.

*Pituophis catenifer bimar*s Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 11(1):7.
August 26.

= *Pituophis melanoleucus bimar*s Klauber.

HOLOTYPE: 32621, Santa Gertrudis, near El Arco (Lat. 28°N.), Baja California, Mexico [near 28°03'N, 113°07'W], Robert S. Hoard, August 1939.

Pituophis catenifer coronalis Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 11(1):19.
August 26.

= *Pituophis melanoleucus coronalis* Klauber

HOLOTYPE: 20229, South Coronado Island, [off the west coast of Baja California] Mexico [near 32°24'N, 117°15'W], Philip M. Klauber, June 11, 1933.

Pituophis catenifer fuliginatus Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 11(1):14.
August 26.

= *Pituophis melanoleucus fuliginatus* Klauber

HOLOTYPE: 17449, San Martín Island, off the west coast of Baja California, Mexico [near 30°29'N, 116°06'W], Lewis W. Walker, July 11, 1939.

Pituophis catenifer pumilus Klauber, 1946, Trans. San Diego Soc. Nat. Hist. 11(2):41, pl. 3,
fig. 1. August 26.

= *Pituophis melanoleucus pumilus* Klauber

HOLOTYPE: 17238, Santa Cruz Island, Santa Barbara County, California, Norman Bilderback, May 5, 1938.

Rhinocheilus lecontei clarus Klauber, 1941, Trans. San Diego Soc. Nat. Hist. 9(29):308.
pl. 13, figs. 1-2. September 26.

= *Rhinocheilus lecontei lecontei* Baird and Girard

HOLOTYPE: 31440, 2 miles north of The Narrows, Borrego Valley, San Diego County, California, Richard Neill, May 7, 1939.

Salvadora grahamiae virgulata Bogert, 1935, Bull. So. Calif. Acad. Sci. 34(1):89, pl. 13.
May 15.

= *Salvadora hexalepis virgulata* Bogert

HOLOTYPE: 12025, Deerhorn Flat, San Diego County, California, F. E. Walker, [preserved] June 29, 1929.

Salvadora hexalepis klauberi Bogert, 1945, Amer. Mus. Novit. 1285:2, figs. 1-4. May 14.

HOLOTYPE: 20912, Cape San Lucas, Baja California, Mexico [near 22°53'N, 109°55'W], Fred Lewis, preserved August 6, 1933.

Sonora bancroftae Klauber, 1943, Trans. San Diego Soc. Nat. Hist. 10(4):69. December 30.

HOLOTYPE: 35077, 2 miles east of San Jorge (San Telmo River Valley, near lat. 31), Lower [Baja] California, Mexico [near 30°56'N, 115°57'W], Mrs. Griffing Bancroft, April 10, 1942.

Sonora occipitalis klauberi Stickel, 1941, Bull. Chicago Acad. Sci. 6(7):138, figs. 1-2.
November 28.

= *Chionactis occipitalis klauberi* (Stickel)

HOLOTYPE: 29647, Tucson, Pima County, Arizona, C. T. Vorhies, June 3, 1938.

Sonora palarostris Klauber, 1937, Trans. San Diego Soc. Nat. Hist. 8(27):363. December 15.

= *Chionactis palarostris palarostris* (Klauber)

HOLOTYPE: 26771, 5 miles south of Magdalena, Sonora, Mexico, George Lindsay, April, 1937.

Tantilla ciseni transmontana Klauber, 1943, Trans. San Diego Soc. Nat. Hist. 10(5):71.
December 30.

HOLOTYPE: 29273, on the road one mile east of Yaqui Well, San Diego County, California, Charles E. Shaw and Cyrus S. [=B.] Perkins, June 6, 1938.

Family CROTALIDAE

Crotalus cerastes laterorepens Klauber, 1944, Trans. San Diego Soc. Nat. Hist. 10(8):94, pl. 5, fig. 2. August 18.

HOLOTYPE: 34074, The Narrows, San Diego County, California, C. B. Perkins and C. E. Shaw, June 6, 1941.

Crotalus confluentus abyssus Klauber, 1930, Trans. San Diego Soc. Nat. Hist. 6(3):114, pl. 11, fig. 1. February 28.

= *Crotalus viridis abyssus* Klauber

HOLOTYPE: 2216, on the Tanner Trail 300 ft. below the south rim of the Grand Canyon, Coconino County, Arizona, E. D. McKee, September 15, 1929.

Crotalus confluentus kellyi Amaral, 1929, Bull. Antivenin Inst. Amer. 2(4):91. February.

= *Crotalus scutulatus scutulatus* (Kennicott)

HOLOTYPE: 194, Needles, [San Bernardino County] California, Santa Fe [Railroad], July 11, 1926.

Crotalus confluentus lutosus Klauber, 1930, Trans. San Diego Soc. Nat. Hist. 6(3):100, pl. 10, fig. 1. February 28.

= *Crotalus viridis lutosus* Klauber

HOLOTYPE: 1814, 10 miles northwest of Abraham on the road to Joy, Millard County, Utah, C. B. Perkins, May 12, 1929.

Crotalus confluentus nuntius Klauber, 1935, Trans. San Diego Soc. Nat. Hist. 8(13):78, pl. 8, fig. 1. August 24.

= *Crotalus viridis nuntius* Klauber

HOLOTYPE: 3105, Canyon Diablo, Coconino County, Arizona, R. L. Bordon, [preserved] August 9, 1930.

Crotalus mitchelli angelensis Klauber, 1963, Trans. San Diego Soc. Nat. Hist. 13(5):75, figs. 1-2. September 27.

HOLOTYPE: 51994, about 4 miles southeast of Refugio Bay, at 1500 feet elevation, Isla Angel de la Guarda, Gulf of California, [Baja California] Mexico (near 29°29½'N, 113°33'W), Dr. Reid Moran, March 22, 1963.

Crotalus mitchelli muertensis Klauber, 1949, Trans. San Diego Soc. Nat. Hist. 11(6):97, pl. 6, fig. 1. January 31.

HOLOTYPE: 37447, El Muerto Island [=Miramar], Gulf of California, [Baja California] Mexico [near 30°05'N, 114°33'W], Charles H. Lowe, Jr., June 6 or 7, 1946.

Crotalus molossus estebanensis Klauber, 1949, Trans. San Diego Soc. Nat. Hist. 11(6):104, pl. 6, fig. 2. January 31.

HOLOTYPE: 26792, San Esteban Island, Gulf of California, [Sonora] Mexico [near 28°42'N, 112°35'W], expedition under Capt. G. Allan Hancock, preserved April 17, 1937.

Crotalus viridis caliginis Klauber, 1949, Trans. San Diego Soc. Nat. Hist. 11(6):90, pl. 5, fig. 2. January 31.

HOLOTYPE: 2800, South Coronado Island, [off the west coast of] Baja California, Mexico [near 32°24'N, 117°15'W], E. H. Quayle, June 2, 1930.

Crotalus willardi meridionalis Klauber, 1949, Trans. San Diego Soc. Nat. Hist. 11(8):131. September 30.

HOLOTYPE: 6569, Coyotes (on the railroad to El Santo), Durango, Mexico, elevation 8000 ft., Edmund Heller and Charles M. Barber, August, 1904.

